

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for the management of time in a mobile telephone having a plurality of registers and a display screen comprising the following steps:

- a binary message representing a real time is produced in a register of the mobile telephone;

- this binary message is used, or displayed on the screen, in an understandable form to make it useful or visible to a user;

wherein:

- a binary message representing an absolute time is produced in another register of the mobile telephone;

- a country code of a country in which the mobile telephone is located is measured;

- a value of absolute time is added to a time difference value associated with a the measurement, and a modified time is obtained;

- the modified time is substituted for the real time.

2. (Original) A method according to claim 1, wherein:

- the displayed time is set when the mobile telephone is in a standby state.

3. (Original) A method according to claim 1, wherein:

- the displayed time is set by using data elements coming from identification information sent by a base station of a network.

4. (Original) A method according to claim 3, wherein
- identification information corresponding to an operator code of a country in which the mobile telephone is located is sent, and
 - this code is converted in the mobile telephone into a data element for setting the displayed time.
5. (Currently Amended) A method according to claim 3, wherein
- identification information corresponding to a country code of a country in which the mobile telephone is located is sent, and
 - this code is converted in the mobile telephone into a data element for setting the displayed time.
6. (Original) A method according to claim 3, wherein
- identification information (LAC-CI) corresponding to a location of a base station in whose zone the mobile telephone is located is sent, and
 - this code is converted, in the mobile telephone, into a data element for setting the displayed time.
7. (Original) A method according to claim 1, wherein
- SMS type messaging signals containing a measurement of a time zone are sent.
8. (Original) A method according to claim 3, wherein
- information pertaining to summer/winter time changes, in correspondence with identification information, is stored in a table of the mobile telephone,
 - the setting of the displayed time is modified as a function of this summer/winter time change information, as a function of the identification information sent and as a function of a piece of calendar information pertaining to a current season.

9. (Original) A method according to claim 1, wherein:
- the displayed time is deduced from a time difference added to an absolute time known in the mobile, and wherein
 - the displayed time is set by adjusting the difference.
10. (Original) A method according to claim 1, wherein,
- the name of the country in which the mobile telephone is located is displayed.
11. (Original) A method of managing time in a mobile telephonic device comprising:
- (A.) providing on board the mobile telephonic device a time kept by the mobile telephonic device and a lookup table from which a country and a time offset associated with the country can be obtained, and a controller that is connected to a base station of a cell that includes an antenna;
 - (B.) receiving from the base station data pertaining to the country in which the mobile telephonic device is located;
 - (C.) accessing the lookup table to determine the country in which the mobile telephonic device is located;
 - (D.) accessing the lookup table to determine a time offset associated with the country in which the mobile telephonic device is located; and
 - (E.) applying the time offset to the time kept by the mobile telephonic device to produce a time that corresponds to the time in the country in which the mobile telephonic device is located.

12. (Original) A method of managing time in a mobile telephonic device according to claim 11 wherein the lookup table on board the mobile telephonic device further includes data for a plurality of countries that indicates for each country the number of time zones of each country, wherein in step (B.) data is received from the base station that pertains to a location of the mobile telephonic device in the country in which the mobile telephonic device is located, wherein in step (C.) the lookup table is accessed to determine whether there is more than one time zone based upon the country in which the mobile telephonic device is located, wherein the lookup table is accessed to determine which time zone the mobile telephonic device is located based upon the location of the mobile telephonic device in the country in which the mobile telephonic device is located, and in step (D.) the lookup table is accessed determine a time offset associated with the time zone in which the mobile telephonic device is located, and in step (E.) the time offset associated with the time zone in which the mobile telephonic device is located is applied to the time kept by the mobile telephonic device to produce a time that corresponds to the time in the time zone in the country in which the mobile telephonic device is located.

13. (Original) A method of managing time in a mobile telephonic device according to claim 12 wherein the data that is received from the base station that pertains to the location of the mobile telephonic device in the country in which the mobile telephonic device is located provides identification of the cell in which the base station is located.

14. (Currently Amended) A method of managing time in a mobile telephonic device according to claim 13 wherein ~~in~~ the controller comprises a mobile services switching center that communicates with a plurality of base stations that each has an antenna.

15. (Original) A method of managing time in a mobile telephonic device according to claim 14 wherein the data that is received from the base station that pertains to the location of the mobile telephonic device in the country in which the mobile telephonic device is located comprises Location Area Code-Cell Identity data that provides an identity of the cell in which the base station communicating with the mobile telephonic device is located.

B) 16. (Original) A method of managing time in a mobile telephonic device according to claim 15 wherein the Location Area Code-Cell Identity data further comprises a country code of the country in which the base station is located and an operator code that provides an identification of the operator of the base station.

17. (Original) A method of managing time in a mobile telephonic device according to claim 16 wherein the time kept by the mobile telephonic device comprises an absolute time.

18. (Original) A method of managing time in a mobile telephonic device according to claim 17 wherein the absolute time comprises Greenwich Mean Time.

19. (Original) A method of managing time in a mobile telephonic device according to claim 11 wherein the lookup table on board the mobile telephonic device further includes data for each country that indicates whether the country has a summer/winter time change, wherein in step (D.) the lookup table is accessed and, if the country in which the mobile telephonic device is located has a summer/winter time change, the time offset applied to the time kept by the mobile telephonic device includes an offset that takes into account whether a summer/winter time change is in effect.

20. (Original) A method of managing time in a mobile telephonic device comprising:

(A.) providing on board the mobile telephonic device a time and a lookup table from which a country, time zone data, summer/winter time change data, and a time offset associated therewith can be obtained, and a controller that communicates with a plurality of base stations that each are disposed in a cell and includes an antenna;

(B.) receiving from the base station closest to the mobile telephonic device data identifying the country in which the mobile telephonic device is located and data identifying the base station communicating with the mobile telephonic device;

B) (C.) accessing the lookup table to determine the country in which the mobile telephonic device is located;

(D.) accessing the lookup table to determine whether the country in which the telephonic device is located has more than one time zone and determining the time zone in which the mobile telephonic device is located based upon identification of the base station communicating with the mobile telephonic device;

(E.) accessing the lookup table to determine whether the country in which the telephonic device is located has a summer/winter time change and determining whether the summer/winter time change applies;

(F.) applying an offset to the time kept by the mobile telephonic device that is based upon the country in which the mobile telephonic device is located, based upon the time zone in which the mobile telephonic device is located if the country in which the mobile telephonic device is located has more than one time zone, and based upon whether a summer/winter time change applies if the country in which the mobile telephonic device is located has a summer/winter time change.

21. (New) A method for the management of time in a mobile telephone having a plurality of registers and a display screen and that wirelessly communicates with a base station of a mobile telephone network, the method comprising the following steps:

- Nakamoto* (a) storing a real time in a first register of the mobile telephone;
Nakamoto (b) displaying the real time on the display screen of the mobile telephone in a manner that is understandable to a user of the mobile telephone;
Konno (c) storing an absolute time in a second register of the mobile telephone;
Nakamoto (d) obtaining a country code associated with the country in which the mobile telephone is located; and
B1 (e) updating the real time by adding to the absolute time a time difference offset value based on the obtained country code that takes into account any summer/winter time difference based on the current date.

22. (New) A method for the management of time in a mobile telephone having a plurality of registers and a display screen and that wirelessly communicates with a base station of a mobile telephone network, the method comprising the following steps:

- (a) storing a real time in a first register of the mobile telephone;
(b) displaying the real time on the display screen of the mobile telephone in a manner that is understandable to a user of the mobile telephone;
(c) storing an absolute time in a second register of the mobile telephone;
(d) obtaining country and locale related data from the base station that is indicative of the locale within the country where the base station is located; and
(e) updating the real time to correspond to a local time of the locale of the country where the base station is located by applying to the absolute time a time zone difference offset that based on the obtained data.

23. (New) A method for the management of time in a mobile telephone having a plurality of registers and a display screen and that wirelessly communicates with a base station of a mobile telephone network, the method comprising the following steps:

B1 (a) providing a lookup table onboard the mobile telephone in which are stored a plurality of countries, a plurality of time offsets for each one of the plurality of countries along, and a corresponding winter/summer time adjustment factor for each one of the plurality of time offsets for each one of the plurality of countries;

(a) storing a real time in a first register of the mobile telephone;

(b) storing a date in a second register of the mobile telephone;

(c) displaying the real time on the display screen of the mobile telephone in a manner that is understandable to a user of the mobile telephone;

(d) storing an absolute time in a second register of the mobile telephone;

(e) obtaining data from the base station indicative of the country and locale within the country where the base station is located;

(f) selecting a time offset from the lookup table based on the obtained country, the locale within the country, and the date stored in the mobile telephone; and

(g) updating the real time by adding the selected time offset to the absolute time.
